

Specific Publications relevant to monoclonal antibodies and expertise:

1. Kennedy, R.C., Ionescu-Matiu, I., Adler-Storthz, K., Henkel, R.D., Sanchez, Y., and Dreesman, G.R. Characterization of anti-hepatitis B surface antigen monoclonal antibodies. *Intervirology* 19:176-180, 1983.
2. Kennedy, R.C., Adler-Storthz, K., Henkel, R.D., and Dreesman, G.R. Characteristics of a shared idiotypic by two IgM anti-herpes simplex virus monoclonal antibodies that recognize different determinants. *J. Immunol.* 130:1943-1946, 1983.
3. Ionescu-Matiu, I., Kennedy, R.C., Sparrow, J.T., Culwell, A.R., Sanchez, Y., Melnick, J.L., and Dreesman, G.R. Epitopes associated with a synthetic hepatitis B surface antigen peptide. *J. Immunol.* 130:1947-1952, 1983.
4. Adler-Storthz, K., Kendall, C., Kennedy, R.C., Henkel, R.D., and Dreesman, G.R. Biotin-avidin-amplified enzyme immunoassay for detection of herpes simplex virus antigen in clinical specimens. *J. Clin. Microbiol.* 18:1329-1334, 1983.
5. Kennedy, R.C., Adler-Storthz, K., Burns, J.W., Sr., Henkel, R.D., and Dreesman, G.R. Anti-idiotypic modulation of herpes simplex virus infection leading to increased pathogenicity. *J. Virol.* 50:951-953, 1984.
6. Henkel, R.D., Kennedy, R.C., Sparrow, J.T., and Dreesman, G.R. *In vivo* detection of human hepatoma secreting hepatitis B surface antigen in nude mice with radiolabeled monoclonal antibodies that recognize distinct epitopes. *Clin. Immunol. Immunopathol.* 35:146-155, 1985.
7. Kennedy, R.C., Lanford, R.E., Henkel, R.D., and Dreesman, G.R. Detecting herpes simplex I and II with biotin-avidin-amplified immunoassays. *Lab. Manage.* 23:53-55, 1985.
8. Kennedy, R.C., Dreesman, G.R., Butel, J.S., and Lanford, R.E. Suppression of *in vivo* tumor formation induced by simian virus 40-transformed cells in mice receiving anti-idiotypic antibodies. *J. Exp. Med.* 161:1432-1449, 1985.
9. Henkel, R.D., Dreesman, G.R., Kennedy, R.C., Howell, R.R., and Williams, J.C. Detection of human acidic H-glucosidase in fibroblasts using monoclonal antibodies in a biotin-avidin amplified ELISA. *Hybridoma* 4:351-360, 1985.
10. Kennedy, R.C., Henkel, R.D., and Dreesman, G.R. Further characterization of internal image-bearing anti-idiotypic antibodies: Specific binding to immunoglobulin receptors on murine hybridoma cells secreting antibodies to hepatitis B surface antigen. *Scand. J. Immunol.* 23:481-489, 1986.
11. Chanh, T.C., Kennedy, R.C., Alderete, B.E., Kanda, P., Eichberg, J.W., and Dreesman, G.R. Human immunodeficiency virus gp120 glycoprotein detected by a monoclonal antibody to a synthetic peptide. *Eur. J. Immunol.* 16:1465-1468, 1986.
12. Schick, M.R., Dreesman, G.R., and Kennedy, R.C. Induction of an anti-hepatitis B surface antigen response in mice by noninternal image (Ab2 alpha) anti-idiotypic antibodies. *J. Immunol.* 138:3419-3425, 1987.
13. Chanh, T.C., Dreesman, G.R., and Kennedy, R.C. Monoclonal anti-idiotypic antibody mimics the CD4 receptor and binds human immunodeficiency virus. *Proc. Natl. Acad. Sci. USA* 84:3891-3895, 1987.
14. Dalgleish, A.G., Thomson, B.J., Chanh, T.C., Malkovsky, M., and Kennedy, R.C. Neutralization of HIV isolates by anti-idiotypic antibodies which mimic the T4 (CD4) epitope: A potential AIDS vaccine. *Lancet* ii:1047-1050, 1987.

15. Eichberg, J.W., Montiel, M.M., Morale, B.A., King, D.E., Chanh, T.C., Kennedy, R.C., and Dreesman, G.R. Lymphocyte subsets in chimpanzees. *Lab. Anim. Sci.* 38:197, 1988.
16. Dalgleish, A.G. and Kennedy, R.C. Anti-idiotypic antibodies as immunogens: idiotypic based vaccines. *Vaccine* 6:215-220, 1988.
17. Dalgleish, A.G., Chanh, T.C., Kennedy, R.C., Kanda, P., Clapham, P.R., and Weiss, R.A. Neutralization of diverse HIV-1 strains by monoclonal antibodies raised against a gp41 synthetic peptide. *Virology* 165:209-215, 1988.
18. Schick, M.R. and Kennedy, R.C. Methods for production and characterization of anti-idiotypic antibody reagents. *Meth. Enzymol.* 178:36-48, 1989.
19. Zhou, E.-M., Lohman, K., and Kennedy, R.C. Administration of noninternal image monoclonal anti-idiotypic antibodies induces idiotypic restricted responses specific for human immunodeficiency virus envelope glycoprotein epitopes. *Virology* 174:9-17, 1990.
20. Shearer, M.H., Lanford, R.E., and Kennedy, R.C. Monoclonal anti-idiotypic antibodies induce antibody responses specific for simian virus 40 large tumor antigen. *J. Immunol.* 145:932-939, 1990.
21. Attanasio, R., Kennedy, R.C., Allan, J.S., Maino, V.C., Buck, D., and Kanda, P. Anti-idiotypic antibodies of a predefined specificity generated against a CDR3VH synthetic peptide defines a private anti-CD4 idiotypic. *Mol. Immunol.* 27:513-522, 1990.
22. Attanasio, R., Allan, J.S., Anderson, S.A., Chanh, T.C., and Kennedy, R.C. Anti-idiotypic antibody response to monoclonal anti-CD4 preparations in nonhuman primate species. *J. Immunol.* 146:507-514, 1991.
23. Zaghouani, H., Goldstein, D., Shah, H., Anderson, S.A., Lacroix, M., Dionne, G., Kennedy, R.C., and Bona, C.A. Induction of antibodies to the envelope of human immunodeficiency virus by immunization of rabbits with monoclonal anti-idiotypes. *Proc. Natl. Acad. Sci. U.S.A.* 88:5645-5649, 1991.
24. Attanasio, R., Dilley, D., Buck, D., Maino, V.C., Kanda, P., and Kennedy, R.C. Structural characterization of a cross-reactive idiotypic shared by monoclonal antibodies specific for the CD4 molecule. *J. Biol. Chem.* 266:14611-14619, 1991.
25. Lohman, K.L., Carrillo, M.A., and Kennedy, R.C. Variable region gene sequence and selection of a mouse monoclonal anti-idiotypic antibody that detects a restricted idiotope on anti-HIV-1 gp160. *Gene* 105:283-284, 1991.
26. Anderson, S.A., Ostberg, L.G., Erhlich, P.H., and Kennedy, R.C. Characterization of private and cross-reactive idiotypes associated with human antibodies to hepatitis B surface antigen. *Intern. Immunol.* 4:135-145, 1992.
27. Mernaugh, R.L., Shearer, M.H., Bright, R.K., Lanford, R.E., and Kennedy, R.C. Idiotypic network components are involved in murine response to simian virus 40 large tumor antigen. *Cancer Immunol. Immunother.* 35:113-118, 1992.
28. Lohman, K.L., Attanasio, R., Buck, D.W., Carrillo, M.A., Allan, J.S., and Kennedy, R.C. Characterization of murine monoclonal anti-CD4: Epitope recognition, idiotypic expression and variable region gene sequence. *J. Immunol.* 149:3247-3253, 1992.

29. Kanda, P., Fritz, D.A., Dunham, R.G., Shuler, K.R., Lohman, K.L., Kennedy, R.C., and Buck, D. Comparison of the mouse antibody response to different antigenic formulations incorporating a synthetic peptide representing the heavy chain second complementarity determining region of a mouse monoclonal anti-CD4 antibody. *AIDS Res. Hum. Retrovir.* 8:1385-1386, 1992.
30. Attanasio, R., Kanda, P., Stunz, G.W., Buck, D.W., and Kennedy, R.C. Anti-peptide reagents identify a primary structure dependent cross-reactive idiotype expressed on heavy and light chains from a murine monoclonal anti-CD4. *Mol. Immunol.* 30:9-17, 1993.
31. Attanasio, R. and Kennedy, R.C. Structure and functional basis of monoclonal anti-receptor antibodies. In *AIDS Research Reviews, Vol. 3* (W.C. Koff, F., Wong-Staal, and R.C. Kennedy, eds.), Marcel Dekker, New York, N.Y. Chapter 15:291-304, 1993.
32. Bright, R.K., Shearer, M.H., and Kennedy, R.C. Comparison of the murine humoral immune response to recombinant SV40 large tumor antigen: Epitope specificity and idiotype analyses. *Cancer Immunol. Immunother.* 37:31-39, 1993.
33. Shearer, M.H., Bright, R.K., Lanford, R.E., and Kennedy, R.C. Immunization of mice with baculovirus derived recombinant SV40 large tumor antigen induces protective tumor immunity to a lethal challenge with SV40-transformed cells. *Clin. Exp. Immunol.* 91:266-271, 1993.
34. Attanasio, R., Allan, J.S., and Kennedy, R.C. Monoclonal anti-CD4 as immunoprophylactic agents for HIV infection. *J. Inf. Dis.* 168:515-516, 1993.
35. Lohman, K.L., Kieber-Emmons, T., and Kennedy, R.C. Molecular characterization and structural modeling of immunoglobulin variable regions from murine monoclonal antibodies specific for hepatitis B virus surface antigen. *Mol. Immunol.* 30:1295-1306, 1993.
36. Shearer, M.H., Bright, R.K., and Kennedy, R.C. Comparison of humoral immune responses and tumor immunity in mice immunized with recombinant SV40 large tumor antigen and a monoclonal anti-idiotype. *Cancer Res.* 53:5734-5739, 1993.
37. Attanasio, R., Stunz, G.W., and Kennedy, R.C. Folding patterns of immunoglobulin molecules identified by urea gradient electrophoresis. *J. Biol. Chem.* 269:1834-1838, 1994.
38. Bright, R.K., Shearer, M.H., and Kennedy, R.C. Immunization of BALB/c mice with recombinant SV40 large tumor antigen induces antibody-dependent cell-mediated cytotoxicity (ADCC) against SV40 transformed cells: An antibody based mechanism for tumor immunity. *J. Immunol.* 153:2064-2071, 1994.
39. Bright, R.K., Shearer, M.H., and Kennedy, R.C. Fine specificity of the murine immune response to SV40 large tumour antigen utilizing synthetic peptides that define selected epitopes. *Clin. Exp. Immunol.* 96:491-499, 1994.
40. Shearer, M.H., Bright, R.K., and Kennedy, R.C. Molecular characterization of immunoglobulin variable regions from murine monoclonal antibodies specific for simian virus 40 large tumor antigen. *Scand. J. Immunol.* 40:415-422, 1994.
41. Shearer, M.H., Jenson, H.B., Carey, K.D., Chanh, T.C., and Kennedy, R.C. Production and characterization of murine monoclonal antibodies specific for baboon IgG heavy and light chains. *J. Med. Primatol.* 23:382-387, 1994.
42. Zaghouani, H., Anderson, S.A., Sperber, K.E., Daian, C., Kennedy, R.C., Mayer, L., and Bona, C.A. Induction of antibodies to the human immunodeficiency virus type 1 by immunization of baboons with immunoglobulin molecules carrying the principal neutralizing determinant of the envelope protein. *Proc. Natl. Acad. Sci. USA* 92:631-635, 1995.

43. Shearer, M.H., Robinson, E.W., VandeBerg, J.L., and Kennedy, R.C. Humoral immune response in a Marsupial *monodelphis domestica*: Anti-isotypic and anti-idiotypic responses detected by species specific monoclonal anti-immunoglobulin reagents. *Dev. Comp. Immunol.* 19:237-246, 1995.
44. Shearer, M.H., Stevens, F.L., Jenson, H.B., Chanh, T.C., Carey, K.D., White, G.L., and Kennedy, R.C. Cross-reactions among primate immunoglobulins. *Dev. Comp. Immunol.* 19:547-557, 1995.
45. Shearer, M.H., Timanus, D.K., Benton, P.A., Lee, D.R., and Kennedy, R.C. Cross-clade inhibition of human immunodeficiency type 1 primary isolates by monoclonal anti-CD4. *J. Infect. Dis.* 177:1727-1729, 1998.
46. Shearer, M.H., Sureau, C., Dunbar, B., and Kennedy, R.C. Structural characterization of viral-neutralizing antibodies to hepatitis B surface antigen. *Mol. Immunol.* 35:1149-1160, 1998.
47. Shearer, M.H., Dark, R.D., Chodosh, J., and Kennedy, R.C. Comparison and characterization of immunoglobulin G subclasses among primate species. *Clin. Diagn. Lab. Immunol.* 6:953-958, 1999.
48. Shearer, M.H., Chanh, T.C., Dalgleish, A.G. and Kennedy, R.C. Idiotypic cascades associated with the CD4-HIV glycoprotein 120 interaction: immunization with anti-idiotypic antibodies induces anti-anti-idiotypic responses with anti-CD4 specificity and *in vitro* neutralizing activity. *AIDS Res. Hum. Retrovir.* 16:77-86, 2000.
49. Kennedy, R.C., Shearer, M.H., Watts, A.M., and Bright, R.K. CD4+ T lymphocytes play a critical role in antibody production and tumor immunity against simian virus 40 large tumor antigen. *Cancer Res.* 63:1040-1045, 2003.